



Norphlet Chemical Update

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Craig Carroll

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Cc: Nancy Jones, Jo Gee, James Turner, Jamie Bradsher

Hello All:

On Friday we had the tanks ultrasounded. TT13 (Sodium Fluoride/AHF) tank was recommended to be taken out of service due to metal thickness (1/8 inch) near a bottom side nipple. TT10 (4% by weight AHF Soup Mixture) was a concern because it had more than 50% wall loss and a top 4 inch nozzle had pitting at the weld and a heat effected zone. Tank 1 (AHF tank) had consistent thickness but pitting throughout but no areas of major concern. TT11 had consistent thickness reading with no areas of concern. We do not have the final report but should have it on Monday.

This weekend we constructed a dry lime scrubber for relieving pressure off of tank TT13 (Sodium Fluoride/AHF). The scrubber was constructed using a 20000 gallon frac tank with piping on the bottom of the tank and about 10 feet of dry lime. We bled TT13 through the scrubber and reduce the pressure to approximately 20 psig. This tank is now ready to transfer once tanker arrives on site. Additionally, we neutralized about 150 gallons of AHF that was placed in the original tankers with the low safety relief valve setting. This material was slowly bled into a wet lime slurry contained in a rolloff box. This tanker will be sent off site on Monday.

We are expecting a railcar to be delivered on Monday from Solvay/Tulstar for transfer the AHF tank (TT01). We are not sure about the exact timing of receipt of the railcar or of the transfer operation at this time. We are still in the process of making modifications to the rail loading lines to conduct this transfer once the railcar is received. We should be receiving a tanker on Monday/Tuesday. This tanker will be used for transfer of TT13 (Sodium Fluoride/AHF). We anticipate doing this transfer on Tuesday/Wednesday at approximately 4:30 pm. The tankers for TT10 and TT11 are expected to be received on Wednesday through Friday. We will initiate transfers as these tankers are received. All transfer operations are planned for 4:30 pm or after school is out.

Thunderstorms are being predicted for this next week and could hamper transfer operations.

We are coordinating with the local officials on notification of the public of the pending transfer operations. We are confident that we will not have a significant release from the transfer operations with the redundant valving systems employed.

Other Issue: Kenny Harmon with ADEM indicated that they requested the Governor to have ADEQ request further assistance from EPA to do a complete removal of materials from other tanks, lab waste, drums, totes, and to remove wastes from facility lines and reaction vessels and render them safe (decon). As I understand it, we have not yet got this request or I have not been informed of this request.

Funding: Estimates for costs to complete the removal and disposal of the AHF tanks is \$2,000,000 for the ERRS Contractor and \$250,000 to 300,000 for the START Contractor. I need this money on the Delivery Orders/TDDs as T&D Contracts will be signed fairly quickly.

Rotation: I will need to transition with someone before this Friday. I could probably come back out that following Monday for the week if necessary but would have to return on the 8th for Phone Duty. It would probably be best if Nancy came out if at all possible. If not, please get another OSC out here immediately so they could get up to speed..

If you have any questions, please contact me

Thanks

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